

Kevin Mikhael

Computer Engineer · Firmware, Quality & AI Systems

DALLAS, TX

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Computer engineer working across quality, firmware, and AI implementation — over three years spanning embedded C/C++ systems, test automation frameworks, and agentic AI evaluation on Azure. Focused on cloud and AI development, automation, and the tooling teams standardize on.

EMPLOYMENT

Protiviti — *Dallas, TX* Apr 2024 – Present

Senior Consultant Jun 2026 – Present

- Extended the test suite framework into a framework that automates evaluation of an agent-to-agent (A2A) AI system on Azure, recording every run to detect statistical outliers in model used and compute time; Azure's built-in agent-quality library is currently being integrated

Technology Consultant Apr 2024 – Jun 2026

- Created an automated test suite framework adopted across the team's automation efforts, spanning four different tools
- Led Managed Business Solution team, resolving 5 tickets/hour against a 1 ticket/hour benchmark

Firmware Engineering Co-Op, Crestron Electronics — *Plano, TX* Jan – Aug 2023

- Delivered firmware enhancements in C, C++, JavaScript, and Python to expand system capabilities
- Built a Python/Kivy UI for device access over WebSockets, and a C++ JSON-schema validation library to enforce data integrity
- Mentored two interns and onboarded two full-time engineers

Quality Engineering Co-Op, Crestron Electronics — *Plano, TX* Feb – Dec 2022

- Authored and executed WebUI test cases, improving defect detection
- Automated page-level tests using Maven projects
- Streamlined remote panel testing with Appium and Jenkins pipelines

SKILLS & CERTIFICATIONS

Expert Python · AWS · Git

Experienced Azure · MySQL · C++ · Java · Jenkins

Skillful JavaScript · PyTorch · Linux

Certified Anthropic CCA-F · Microsoft MTA Networking · Microsoft Certified Advisor

PROJECTS

HoverDR1 — *UTDesign senior capstone* 2023

- Built an audio-reactive module for educational hoverboards; won Best in Show at the Senior Design Expo
- Raised \$1,500+ through Kickstarter campaigns and marketing

Baby Safety Awareness Device — *PLTW, Frisco, TX* 2020

- Engineered an infrared wristband to alert parents of child movement, paired with a wall-mountable IR sensor for precise tracking

EDUCATION

MS Cybersecurity (OMS Cybersecurity), Georgia Institute of Technology August 2026 - Present

BSE Computer Engineering, The University of Texas at Dallas Aug 2020 – Dec 2023

- GPA 3.743 · Cum Laude